

FIG. 1

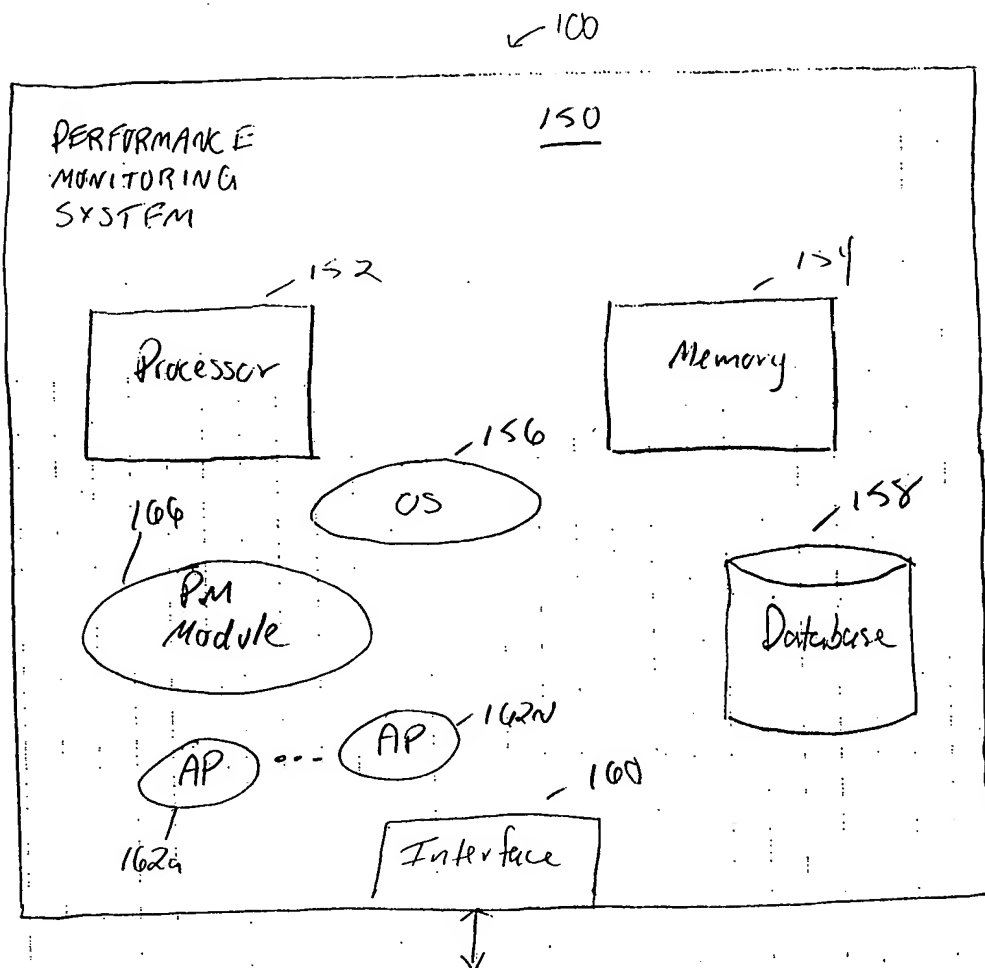


FIG. 2

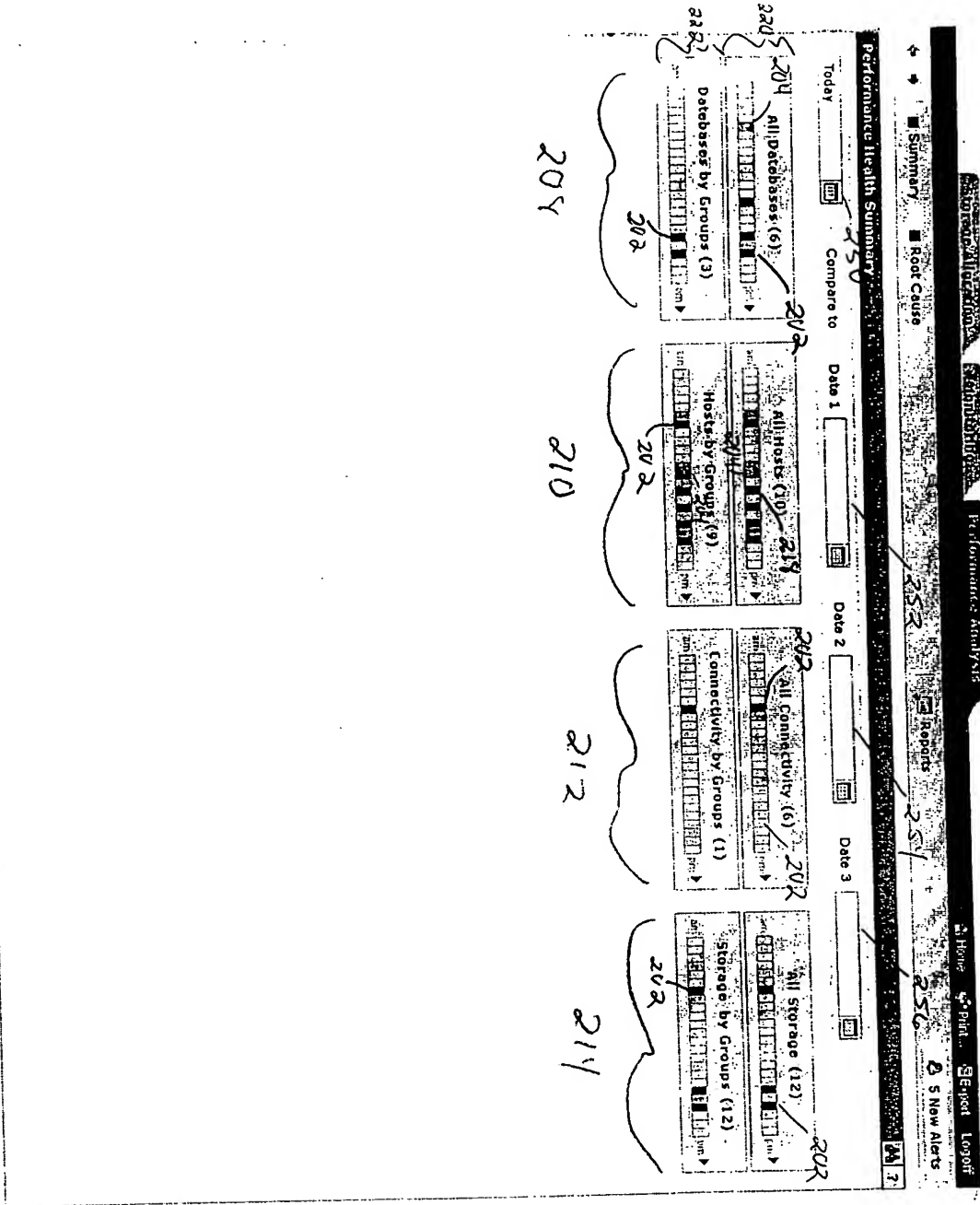


FIG. 3

SYSTEM AND METHOD PROVIDING HIGH LEVEL NETWORK OBJECT PERFORMANCE INFORMATION

Lee W. Sapiro, et al.

EMC-040PUS

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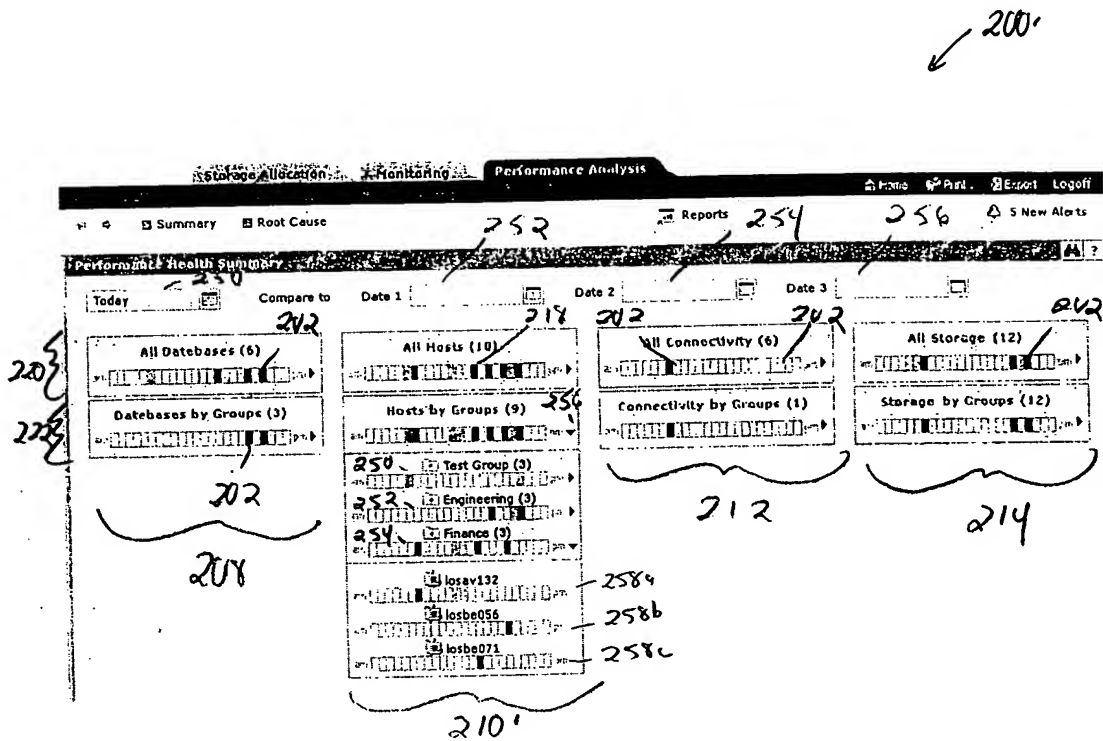


FIG. 3A

SYSTEM AND METHOD PROVIDING HIGH LEVEL NETWORK OBJECT PERFORMANCE INFORMATION

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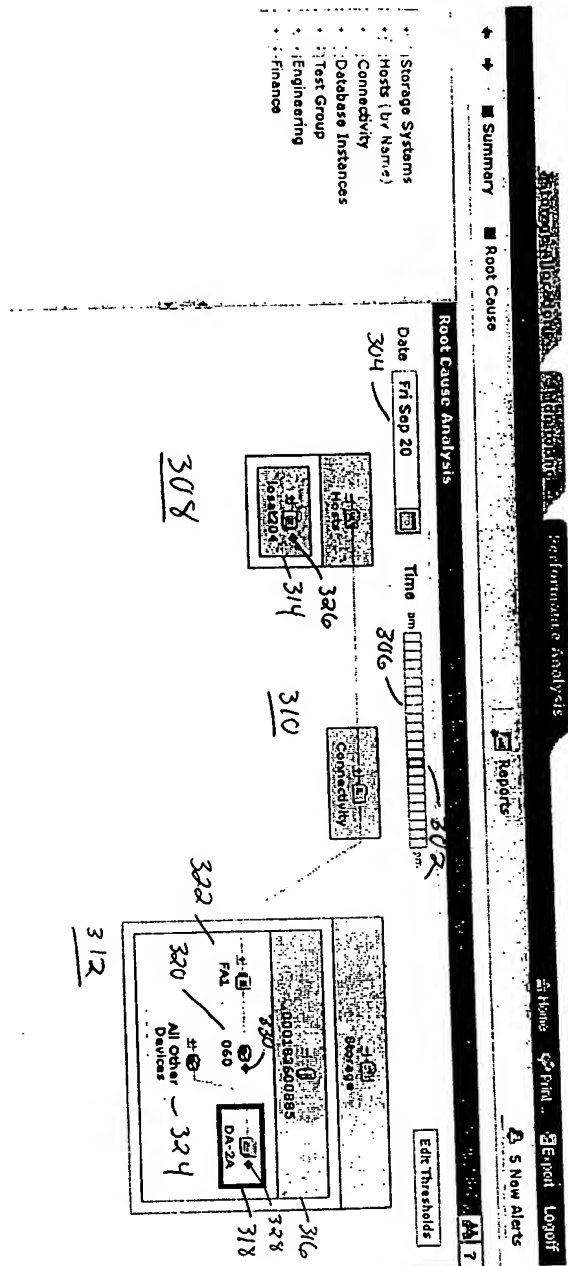


FIG 4

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SYSTEM AND METHOD PROVIDING HIGH LEVEL NETWORK OBJECT PERFORMANCE INFORMATION

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↙

Performance Analysis						
Storage Allocation Monitoring						
Home Alert Export Logout						
Summary Root Cause Reports 5 New Alerts						
Alerts						
Layout Details						
382 384 386 388 390 392						
Object Name	Message	Created	Category	Acknowledged By		
/dev/rdisk/c20d7e2	Threshold exceeded on writes/second	Fri Sep 20 14:04:32	Performance.Host			
boroditskyxxx	Logon failure: invalid username/password...	Wed Sep 19 16:11:11	Health.Server	eccadmin		
losav132	No VCM-enabled storage arrays detected. Ve...	Fri Sep 20 17:00:28	Health.Server	eccadmin		
losbe071	Volume vg01:dev102(R) is unpaired.	Thu Sep 19 20:00:00	Health.General	eccadmin		
losbe071	Volume vg01:dev102(L) is unpaired.	Fri Sep 20 14:04:32	Performance.Host	eccadmin		
MVS7	IBM_VTS: VTS\$VTS1 not collecting enhanced...	Fri Sep 20 15:15:20	Performance.Host	eccadmin		
MVS7	IBM_VTS:Maximum virtual volume mount=3 ...	Fri Sep 20 17:05:01	Health.Server	eccadmin		
boroditskyxxx	User eccadmin has logged off from ECC	Fri Sep 20 17:35:04	Health.Server	eccadmin		
boroditskyxxx	User eccadmin has successfully logged onto ...	Fri Sep 20 17:15:32	Health.General	eccadmin		
losat200	Collection for 'WLA Daily 00' started for Clari...	Fri Sep 20 14:25:31	Health.Server	eccadmin		
MVS7	IBM_VTS:VTS\$VTS1 cache miss percentage ...	Mon Sep 30 08:15:...	Health.General	eccadmin		

FIG. 4A

Performance Analysis

Home Print Export Logout

Summary Root Cause Reports 5 New Alerts

Root Cause Analysis

Date Fri Sep 20 Time 2:11:11 PM

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300

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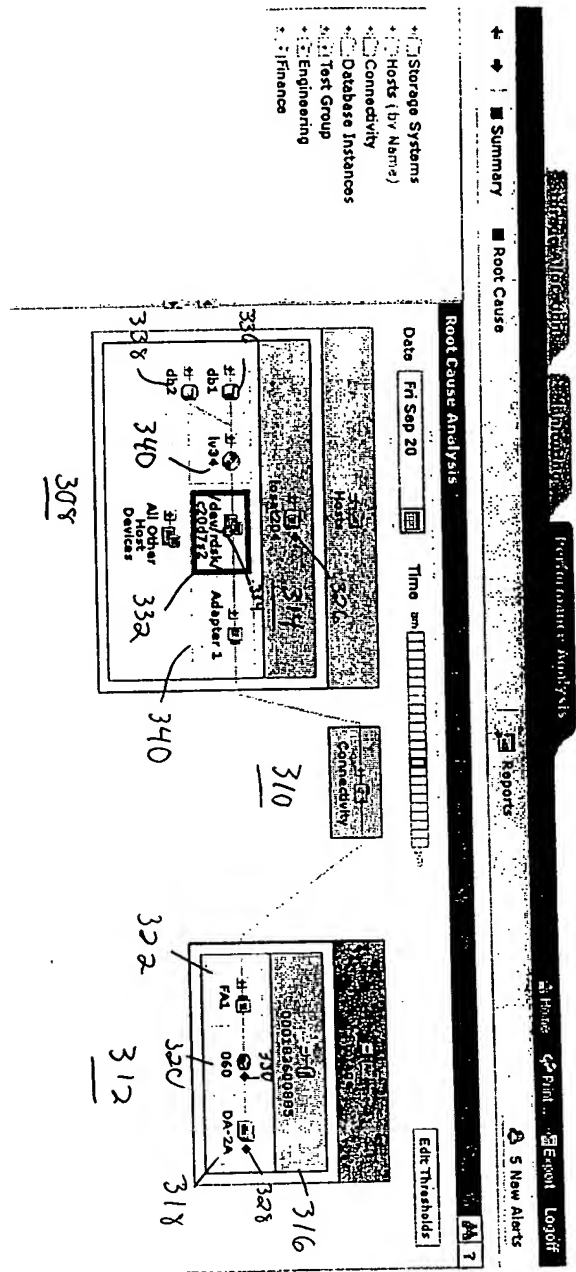


FIG 6

300"



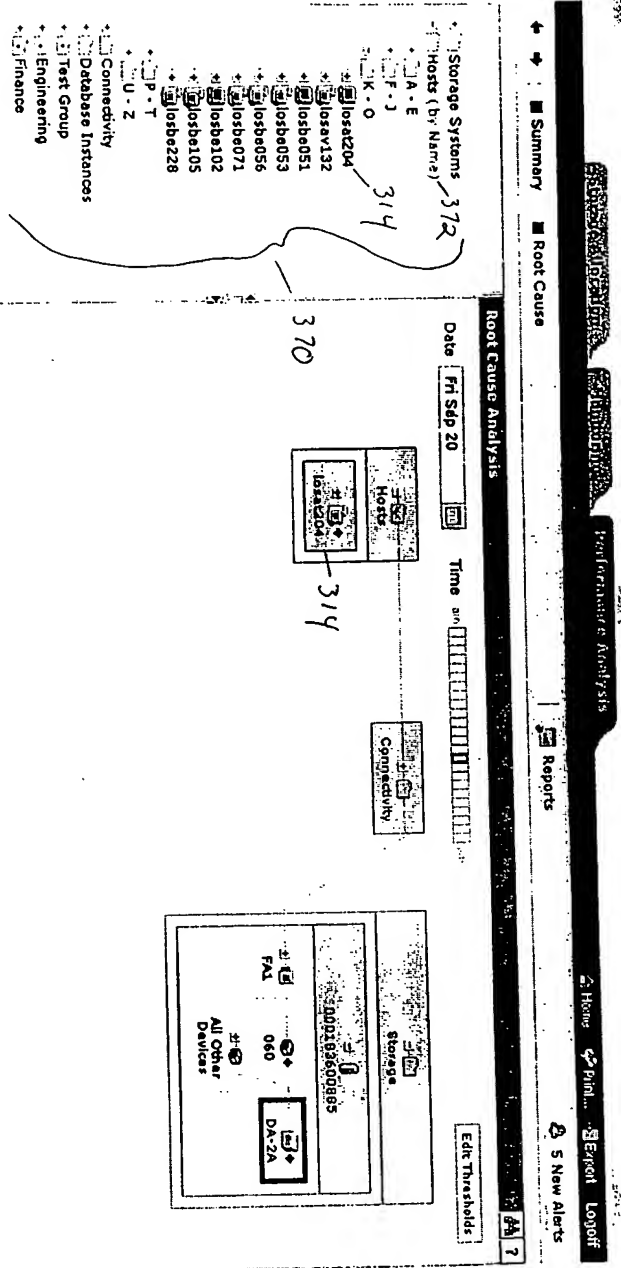
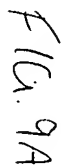
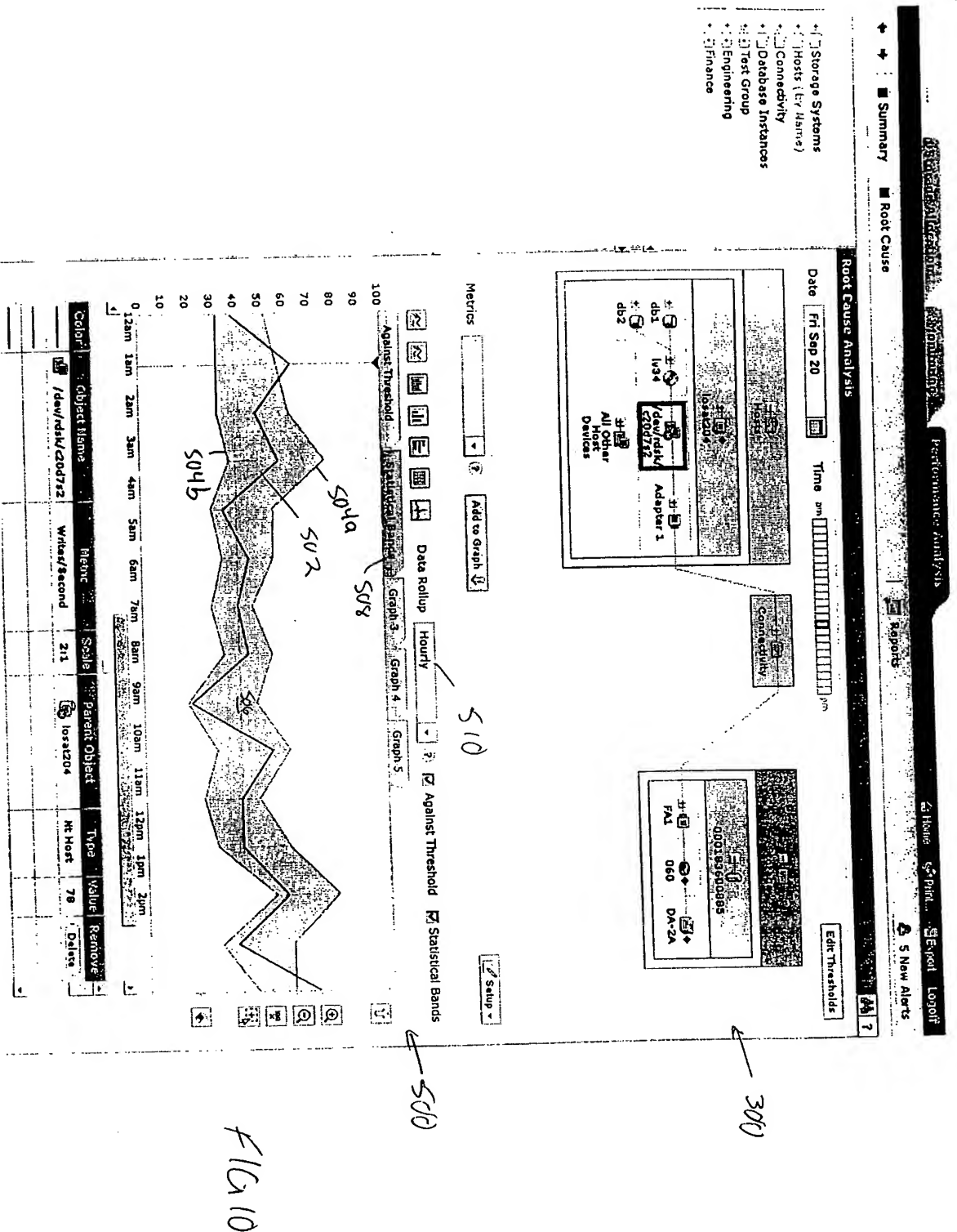


FIG. 8





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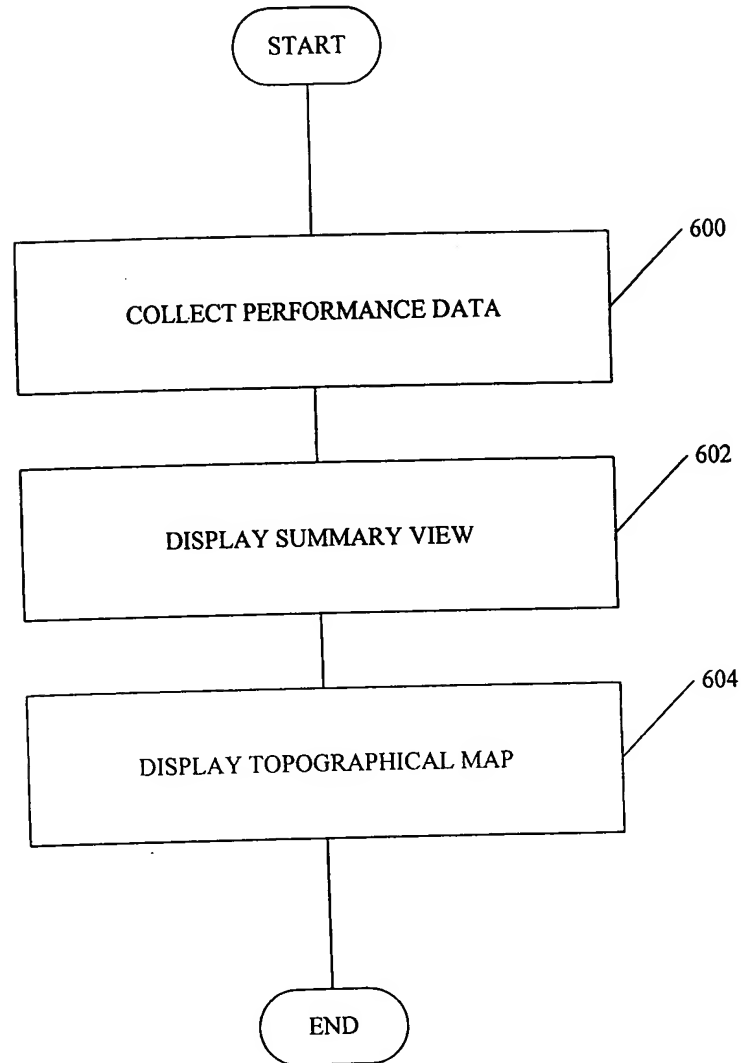


FIG. 11

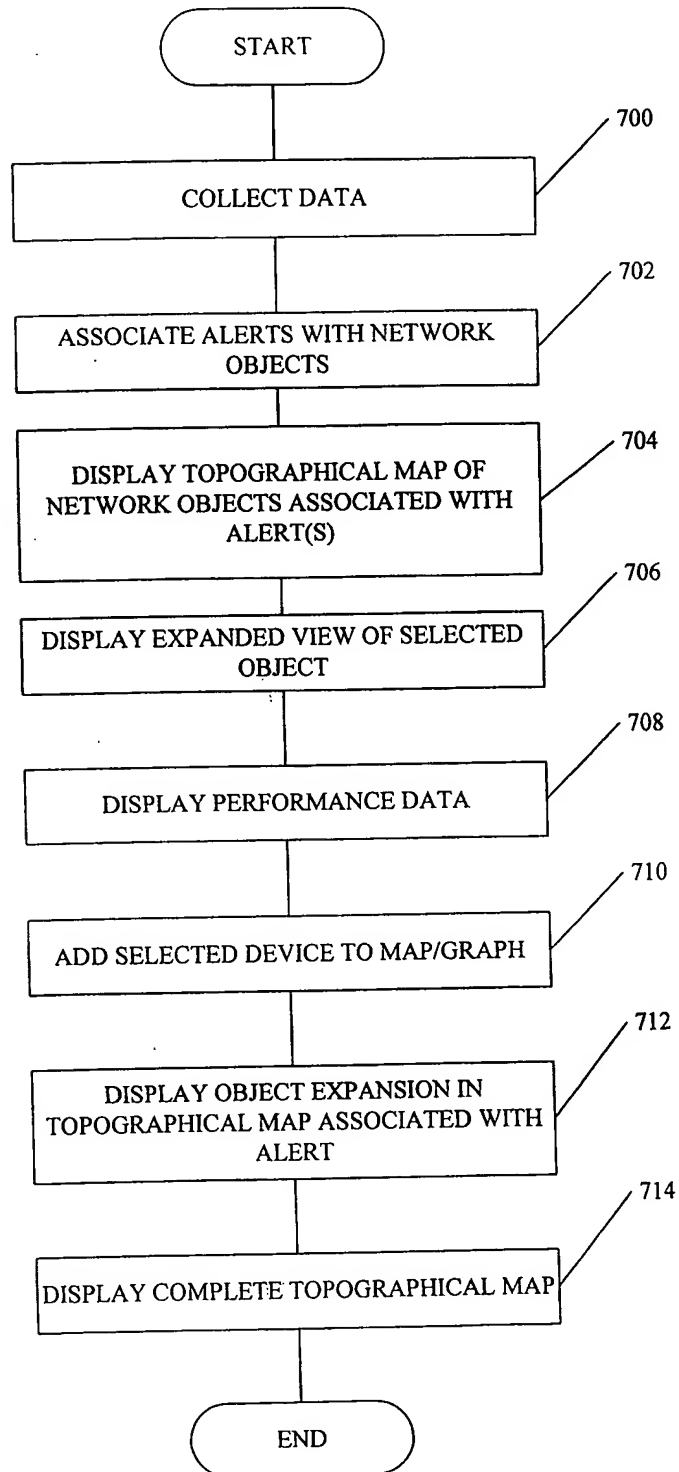


FIG. 12

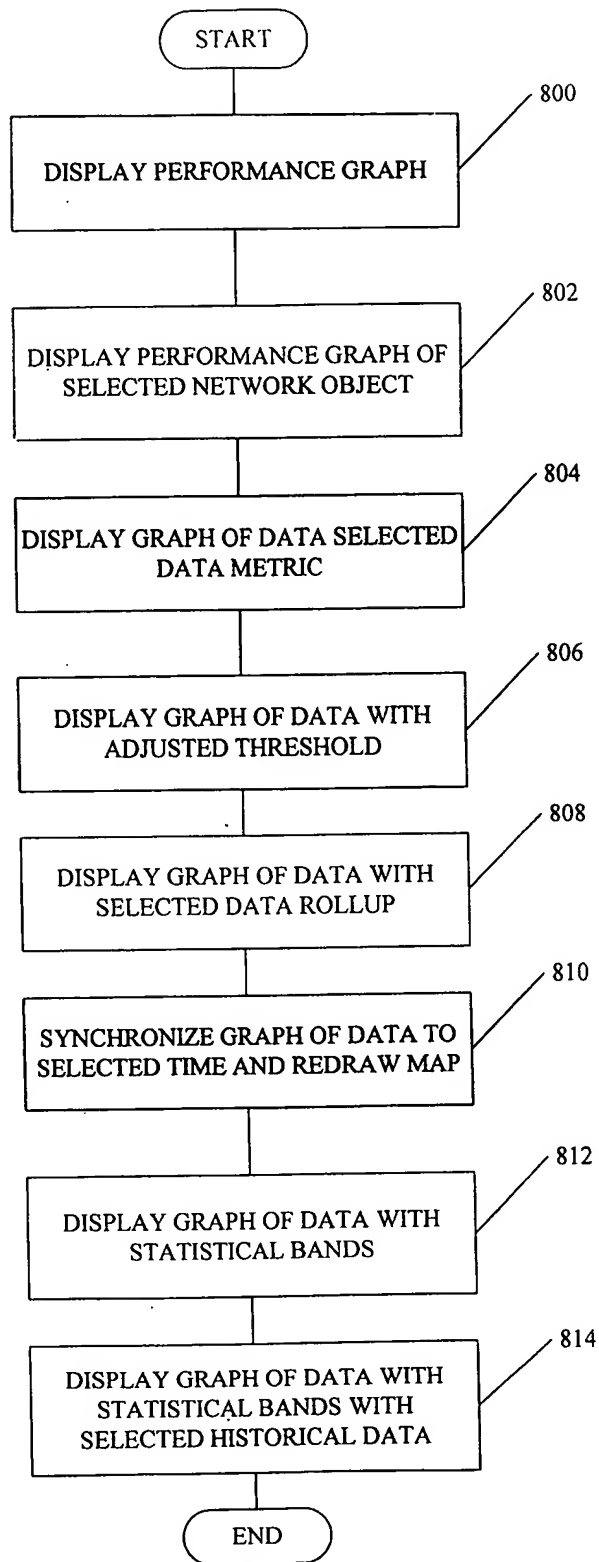


FIG. 13

Performance Threshold Wizard

Select Objects and Metrics

Select the an object type or an individual object below.

☒ Object Type: Symmetrix Disk or
☒ Objects: DA-1A 0C

Please select a metric: Triqger when value is:

Metric: Response Time Greater or Equal to set threshold

and (optional) - Metric: None to set threshold

A threshold can be triggered when an object exceeds a single metric or a combination of metrics.

Click next to continue...

Back
Next
Cancel
Help

FIG. 14

Performance Threshold Wizard

Select Threshold Settings Method

Select a method for setting threshold values.

Set threshold values: ☒ For the whole day — 11029
1102 ☐ For each hour of the day — 11025
☐ Based on historical data — 1102c

1100
↓

Apply to
☒ Mon ☒ Tues ☒ Wed ☒ Thurs ☒ Fri ☒ Sat ☒ Sun

1104

Click next to continue...

Back Next Cancel Help

FIG. 15

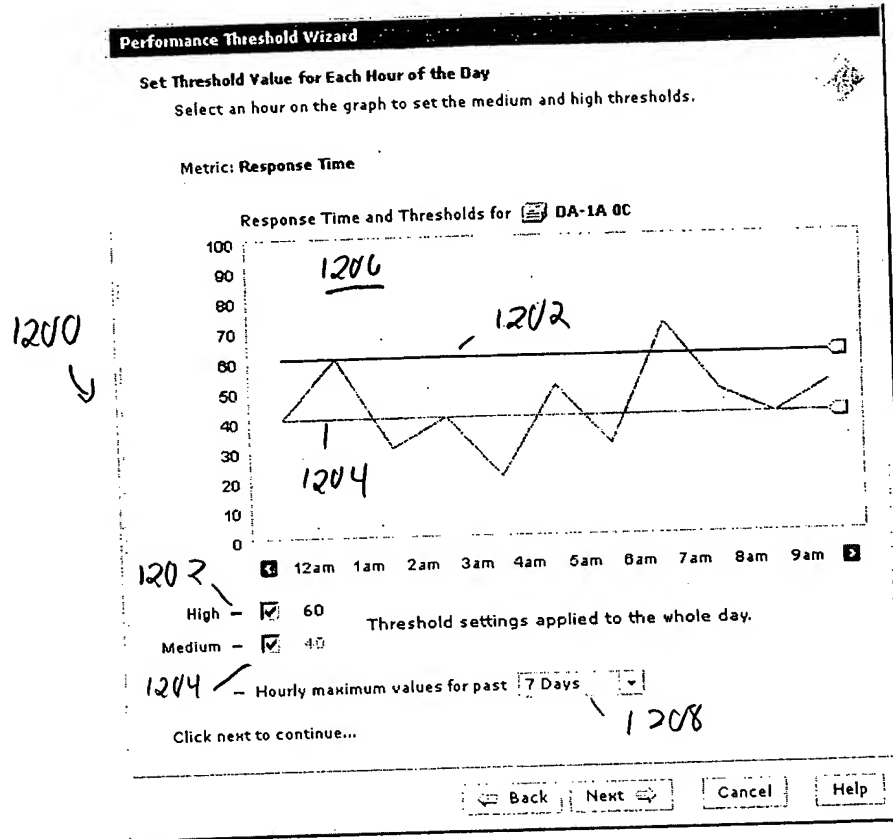


FIG. 16

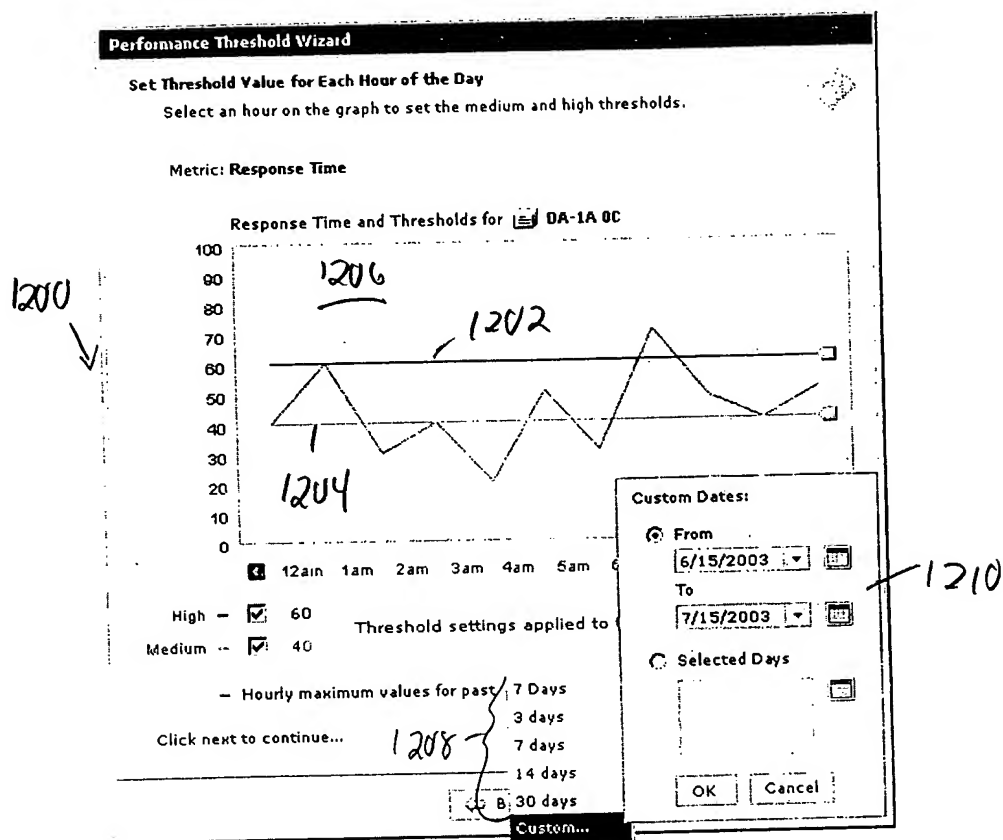


FIG. 16A

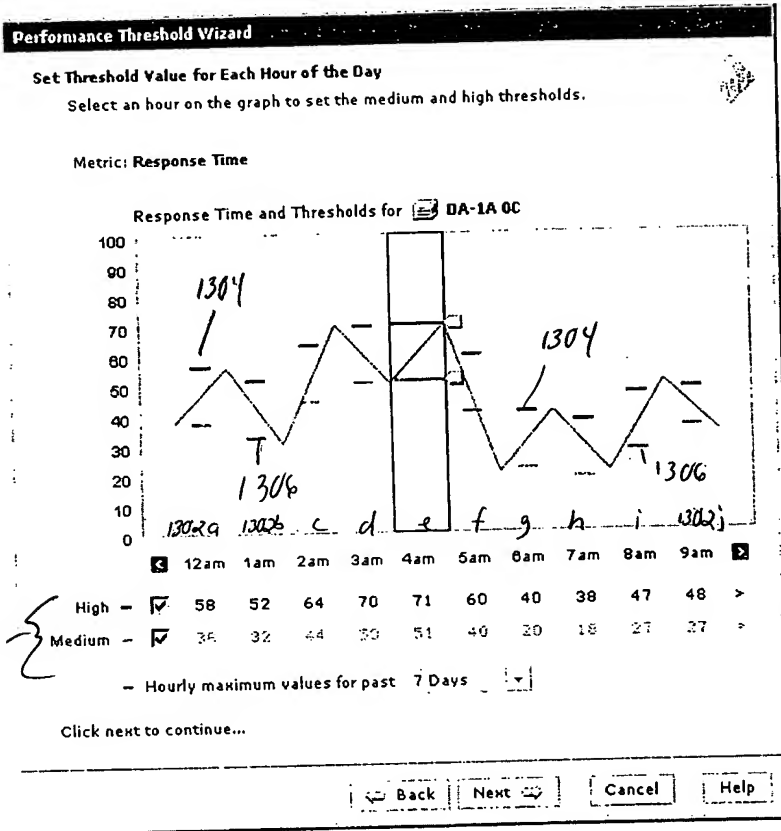


FIG. 17

1400

Performance Threshold Wizard

Review New Threshold Settings
Please confirm threshold changes and click "Finish" to save.

	Object Name	Metric	Threshold Method	Review	Alert
New Thresholds					
Existing Thresholds	DA-1A OC	Response Time Writes/second	Hourly Thresholds	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1402

To receive an alert in the Alerts view when thresholds trigger, check the box in the row of the threshold.

Back Finish Cancel Help

FIG. 18